

L150



The JBL L150

Capable of live-performance volume levels with true deep bass reproduction and high efficiency, the JBL L150 is a worthy addition to JBL's line of outstanding loudspeaker systems. JBL designed each component of this three-way floor-standing model for maximum power-flat frequency response, controlled dispersion, and extended bandwidth. The newly developed low frequency driver is the product of over two years of intensive research by JBL engineers. The result of this careful engineering is clearly audible: smooth, transparent sound at any volume level, over a frequency range extending from the lowest organ tones to the limit of audibility and beyond. JBL takes as much care with the appearance as with the sound, and the elegant columnar design occupies little floor space and fits comfortably into any room.

Advantages of the Floor-Standing Design

While bookshelf loudspeaker systems such as the JBL L110 have reached a high degree of refinement, there are a number of significant advantages to the floor-standing design of the L150. Most immediately apparent to the listener is the increased bass performance. The L150 will comfortably reproduce the power of an organ or bass guitar; if the bass information is in the music, the listener will hear it. To accomplish this, JBL engineers utilized both the larger enclosure volume of the floor-standing design and a passive radiator. The bass performance of the L150 is true deep bass, without the artificial boost in the mid-bass region that often substitutes for actual low frequency reproduction. The response of the L150

extends to the lowest octaves and is completely natural in sound, with no hollow quality.

Another very audible advantage of the L150 is the placement of the midrange and high frequency drivers at the approximate ear level of the listener. Such placement aids in the perception of the sound as being "live," and also reduces the proportion of high and mid-frequency energy that is absorbed by furniture in the room. Although placing a bookshelf system on a tall stand will produce the same effect, the L150 provides much better bass performance and is also more easily integrated visually into a room.

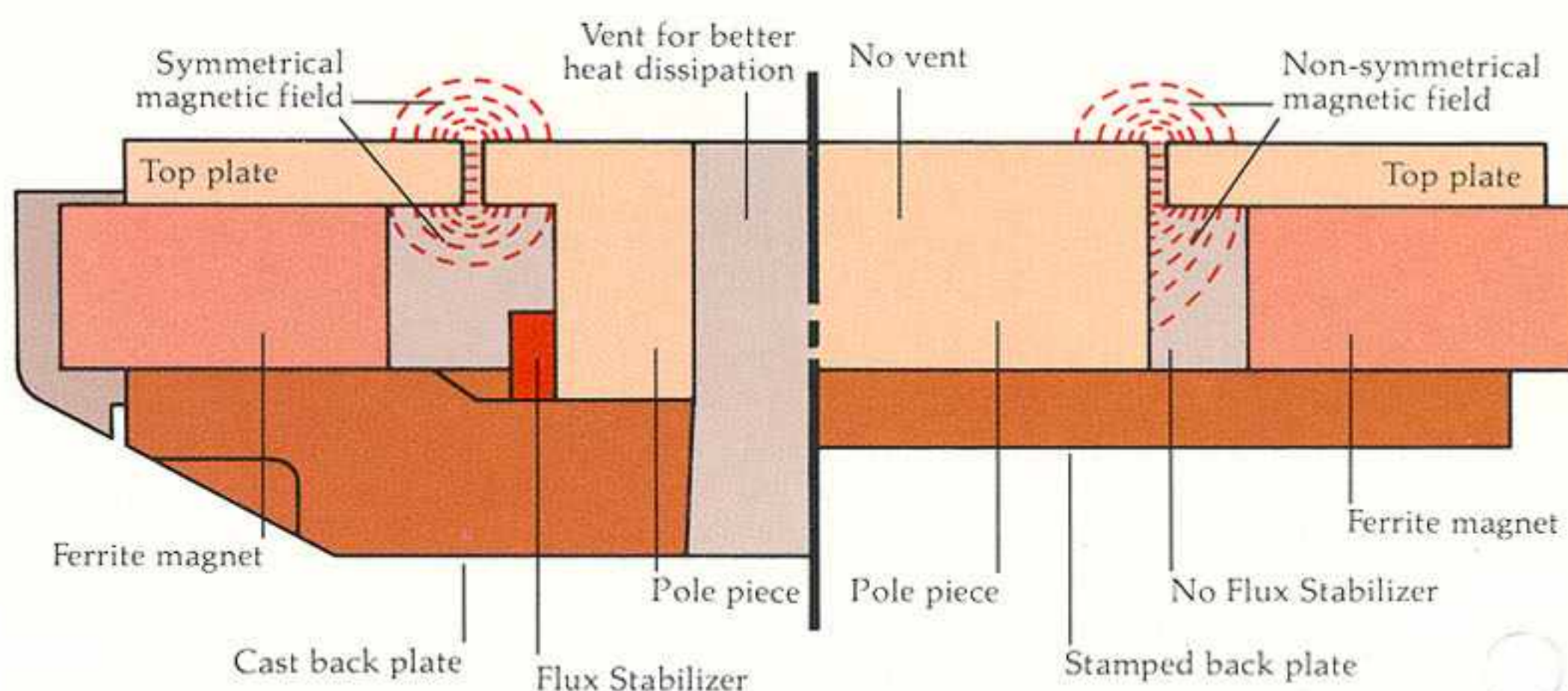
A loudspeaker system should do more than merely reproduce the notes. It should bring the essence of the live performance into the living room. Listen to the L150 and hear what we mean.

Components

Each component of the JBL L150 loudspeaker system is designed and produced to meet the most rigorous standards in the audio industry. The loudspeaker frames are massive cast structures, machined to exacting tolerances. The magnetic assemblies are precisely manufactured of low-reluctance iron, energized by powerful, high-grade magnets. Voice coils are hand wound and held within one turn of design specifications. Cones are designed for the best possible combination of stiffness, density, and weight.

JBL Symmetrical Field Geometry

Conventional Magnetic Assembly



Cross-sections of the low frequency driver of the JBL L150 and of a conventional magnetic assembly.